



DSM

Driver Safety and Monitoring solution – FMC650 and DSM camera to avoid accidents with visual monitoring functionality



Driver safety

DRIVER NOTIFICATION ON DROWSINESS, DISTRACTION, AND YAWNING

Notifying a driver immediately with a sound alert whenever any of the integrated warning conditions are detected, such as drowsiness, yawning, distraction, smoking, phone use, or not using seat belt

128 GB FOR OFFLINE VIDEO STORAGE

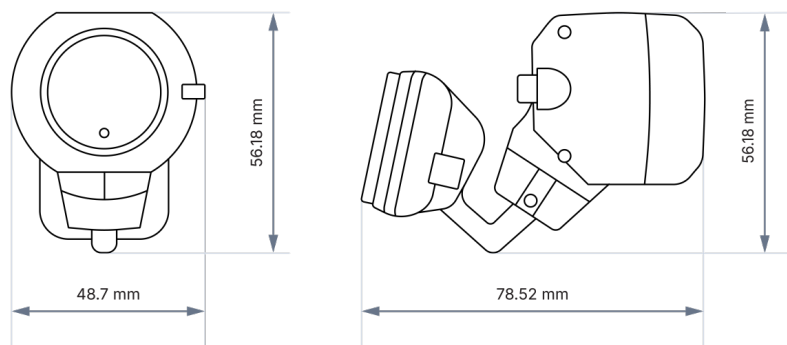
With up to 128 GB data storage, extensive videos are available to have full information what has happened before, during, and after the events you are interested in

SLEEK AND COMPACT DESIGN

Small design provides a practical and effective solution for capturing footage while driving – positioned discreetly in the vehicle's A-pillar, it ensures that driver's front view remains clear

PERIODIC PHOTO SENDING

Get the requested photo or set periodic image sending to the server to track and analyse events in real time as well as monitor visual data, such as pictures of events



Suitable for

FMC650*

Supported by

* For connection to FMC650 device, cable is included in the box.

GNSS

GNSS

Built-in (GPS, GLONASS, QZSS)

Physical specification

Dimensions

Camera: 48.7 mm x 56.18 mm x 78.52 mm / Main connection box: 172 mm x 84.65 mm x 27 mm

Technical data

Camera resolution

720p@30fps, HDR

SD card

Up to 128 GB micro SD card, 64 GB (included). 64 GB SD card Approx recording time 24 Hours

Infrared

2x IR LED

Cable length

Main cable 3.5 m "Split cable"

Speaker/Microphone

Yes

Power

Power consumption

Max. 8.4 W (12 V/24 V)

Operating environment

Operating temperature	-20 °C to +70 °C
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Interface

LED indication	Indicator (LED) Red/Green dual LED, Operating status
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USB	USB Type-C for calibration via PC
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CAN	CAN 2.0 (option for DSM to detect speed from CAN line)
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RS232	Indicator TX/RX (for communication with FMX640 devices)
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Features

Photo	Using FMC650 you can request a photo from DSM, or set periodical image sending to the server
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Drowsiness	When the driver closes his/her eyes for a certain period. If the driver closes his/her eyes again within 30 seconds
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Distraction	When the driver looks outside of the warning range below. If the driver remains distracted for a certain period
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Yawning	When the driver yawns for 3 seconds twice within 1 minute
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Smoking	When the driver smokes for a certain period
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Phone use	When the driver talks over the phone for a certain period (Every 30 seconds)
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Seat belt	When the driver doesn't fasten the seat belt over 10 km/h
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Driver ID	Detect driver face (store max 200 IDs)
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Certification & approvals

Certificates	CE/RED, UKCA, E-Mark, FCC, KC, RoHS
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